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APPLICANT : MITSUBISHI RAYON CO LTD;

INVENTOR : METO HIDEJI;

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TITLE : MOLDED PRODUCT MADE FROM POLYSACCHARIDE

ABSTRACT : PURPOSE: To obtain the title water-soluble molded product excellent in biodegradability, capable of taking various shapes, important from the viewpoint of environmental problems, etc., by melt molding of a composition predominant in a polysaccharide and a specified amount of water.

CONSTITUTION: A composition prepared by incorporating a composition 5-50wt.% in water content, predominant in (A) a polysaccharide (pref. arabinogalactan, or pullulan) and (B) water with, where appropriate, (C) 0.01-1wt.% of an inorganic filler (e.g. silica, magnesium oxide) and/or (D) <50 (pref. ≤30)wt.% of at least one kind of bulk filler such as synthetic thermoplastic polymer, protein and/or starch, is put to melt molding such as injection molding, blow molding, extrusion, co-extrusion, or compression molding, thus obtaining the objective molded product capable of taking various shapes such as film, sheet, capsule, cup, tray, or bottle.

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